No. 200400165

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Monsanto Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE , OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED, (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Freyr'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this fourteenth day of June, in the year two thousand and four.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

Local Reproduction of FORM - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the privacy Act of 1974 (5 U.S.C. 552a)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421) Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) *(as it is to appear on the Certificate)*
Monsanto Company

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER
N99-0107

3. VARIETY NAME
Freyr

4. ADDRESS *(Street and No. or R.F.D. No., City, State, and Zip Code)*
800 N. Linbergh Blvd.
Mail Zone:E3NA

Creve Coeur, Missouri 63167

5. TELEPHONE *(include area code)*
314.694.6089

6. FAX *(include area code)*
314.694.7250

FOR OFFICIAL USE ONLY

PVPO NUMBER
200400165

FILING DATE
March 31, 2004

7. GENUS AND SPECIES NAME
Triticum aestivum

8. FAMILY NAME *(Botonical)*
Gramineae

FEES RECEIVED

FILING AND EXAMINATION FEE:
3652.00

DATE
3/31/2004

9. CROP KIND NAME *(common name)*
Hard Red Spring Wheat

10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association,etc.) (common name)*
Corporation

CERTIFICATION FEE
432

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
Delaware

12. DATE OF INCORPORATION
1933

DATE
05/04/2004

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

Ms. Sally Metz
800 N. Lindbergh Blvd.
Creve Coeur, Missouri 63167

AND

Dr. Rollin Sears
6515 Ascher Road
Junction City, Kansas 66441

14. TELEPHONE *(include area code)*
314.694.6089

15. FAX *(include area code)*
314.694.7250

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED *(follow instructions on reverse)*

- a. [X] Exhibit A. Origin and Breeding History of the Variety
- b. [X] Exhibit B. Statement of Distinctness
- c. [X] Exhibit C. Objective Description of the Variety
- d. [X] Exhibit D. Additional Description of the Variety
- e. [X] Exhibit E. Statement of the Basis of the Applicant's Ownership
- f. [X] Voucher Sample *(2,500 viable untreated seeds, or, for tuber propagated varieties veification that tissue culture will be deposited and maintained in a public repository)*
- g. [X] Filing and Examination Fee *($2,450)*, made payable to "Treasurer of the United States" *(Mail to PVPO)*

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)*

[X] YES *(if "yes", answer items 18 and 19 below)* [ ] NO *(if 'no", go to item 20)*

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?

[ ] YES [X] NO

19. IF 'YES' TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDERS SEED?

[ ] FOUNDATION [ ] REGISTERED [ ] CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?

[ ] YES *(IF "YES", give names of countries and dates)* [X] NO

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner{s})	
NAME *(Please print or type)* **Sally Metz**		NAME *(Please print or type)*	
CAPACITY OR TITLE **Director Wheat Technology**	DATE 1-28-04	CAPACITY OR TITLE	DATE

SD-470 (04-95)

(See reverse for instructions and information collection burden statement)

Exhibit A.
Origin and Breeding History of Freyr

Freyr originated from the cross "N94-0157//Sumai3/Dalen" which was made in Berthoud, CO during the fall crossing session of 1995. N94-0157 was an AgriPro hard red spring experimental line. Its pedigree was "Sonja/Vance". Single heads were selected from the F2 population of this line at Casselton, ND during the 1996 season. Selections were based on height, leaf rust and scab resistance. Single seed descent was used to advance these selections through the F3 and F4 generations in the Berthoud greenhouse during the fall and winter of 1996-97. F5 headrows of these selections were planted at Park River, ND in 1997 where they were further screened for height, straw strength, foliar diseases, scab, leaf rust and stem rust. Selected F5 headrows were individually bulk harvested. F6 increase plots were grown at Berthoud and observation plots were grown at Casselton, ND, Park River, ND and Crookston, MN in 1998. These lines were further screened on the previously mentioned traits as well as breadmaking quality. The experimental designation of N99-0107 was assigned to one of these lines which was yield and quality tested in AgriPro nurseries in North Dakota and Minnesota during the 1999 through 2003. This line has been tested in the Northern Uniform Regional Nursery in 2002 and 2003. It was evaluated in the Uniform Regional Scab Nursery in 2002. In 2000, 96 headrows were grown in Berthoud, Colorado. Ninety-six head rows with uniform appearance were harvested and planted as a 0.2 acre initial Breeders seed increase in 2001, which produced 333 pounds of Breeders seed. In 2002, a 4.5 acre Breeders seed increase was grown in Berthoud, Colorado, which produced 3621 pounds of Breeders seed. In 2002-2003 an additional Breeders seed increase was grown in Yuma, Arizona, which produced 18,373 pounds of Breeders seed. In 2004 two Foundation seed increases were grown in North Dakota. Eighty acres were grown in Langdon, North Dakota and 130 acres were grown in Jamestown, North Dakota, which produced 600,000 pounds of Registered seed.

Freyr has been uniform and stable since 2002. About 0.1% of the plants were rogued from the initial Breeder's Seed increase in 2001.

Approximately 70% of the rogued variant plants were taller height wheat plants (5 to 15 cm.) and approximate 20% were awnletted wheat plants. Up to 1.0% variant plants may be encountered in subsequent generations.

Exhibit B.
Statement of Distinctness

Freyr is most similar to the hard red spring wheat 'Briggs' (South Dakota State University). However, it can be easily distinguished by the following morphological characteristics:

- Freyr has an erect juvenile growth habit stage (Berthoud, CO 2001 and Lucerne, CO 2002). Briggs has a semierect juvenile growth habit (Berthoud, CO 2001 and Lucerne, CO 2002).

- Freyr has a dark green plant color at boot stage (R.H.S. Chart color number #135A; Berthoud, CO 2001 and Lucerne, CO 2002). Briggs has a green plant color at boot stage (R.H.S. Chart color number #137A; Berthoud, CO 2001 and Lucerne, CO 2002).

- Freyr has a lax head density (Berthoud, CO 2001 and Lucerne, CO 2002). Briggs has a middense head density (Berthoud, CO 2001 and Lucerne, CO 2002).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY

WHEAT *(Triticum* Spp.)

NAME OF APPLICANT(S)

Monsanto Wheat Technology

ADDRESS *(Street and No. or R.F.D. No., City, State, and Zip Code)*

800 N. Linbergh Blvd.

Creve Coeur, MO 63167

FOR OFFICIAL USE ONLY

PVPO NUMBER

200400165

NAME OR EXPERIMENTAL DESIGNATION

Freyr

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in the first box when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized standard may be used to determine plant colors; designate system used.
Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

[1] 1=Common 2=Durum 3=Club 4=Other *(specify)* _____

2. VERNALIZATION:

[1] 1=Spring 2=Winter 3=Other *(specify)* _____

3. COLEOPTILE ANTHOCYANIN:

[1] 1=Absent 2=Present

4. JUVENILE PLANT GROWTH:

[3] 1=Prostrate 2=Semi-erect 3=Erect

5. PLANT COLOR *(boot stage)*:

[2] 1 = Yellow-Green 2 = Green 3 = Blue-Green

6. FLAG LEAF *(boot stage)*:

[2] 1 = Erect 2 = Recurved

[2] 1 = Not Twisted 2 = Twisted

7. EAR EMERGENCE:

[0][0] Number of Days Earlier Than _____ *

[0][2] Number of Days Later Than ***Briggs*** *

8. ANTHER COLOR:

[1] 1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT *(from soil to top of head, excluding awns)*:

[0][3] cm Taller Than **2375** *

[0][0] cm Shorter Than _____ *

* Relative to a PVPO-Apprved Commercial Variety Grown in the Same Trial

5

10. STEM:

A. ANTHOCYANIN

[1] 1= Absent 2=Present

B. WAXY BLOOM

[2] 1=Absent 2=Present

C. HAIRINESS (*last internode of rachis*)

[2] 1=Absent 2=Present

D. INTERNODE (*specify number*) _____

[1] 1=Hollow 2=Semi-solid 3=Solid

E. PEDUNCLE

[1] 1=Erect 2=Recurved

[1][3] cm Length

11. HEAD (*at Maturity*):

A. DENSITY

[1] 1=Lax 2=Middense 3= Dense

B. SHAPE

[1] 1 = Tapering 2= Strap 3 = Clavate 4 = Other (*specify*) _____

C. CURVATURE

[2] 1 = Erect 2 = Inclined 3 = Recurved

D. AWNEDNESS

[4] 1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned

12. GLUMES (*at Maturity*):

A. COLOR

[1] 1 = White 2 = Tan 3 = Other (*specify*) _____

B. SHOULDER

[2] 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate

C. BEAK

[3] 1 = Obtuse 2 = Acute 3 =Acuminate

D. LENGTH

[2] 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)

E. WIDTH

[2] 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)

13. SEED:

A. SHAPE

[1] 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK

[2] 1=Rounded 2=Angular

C. BRUSH

[3] 1=Short 2=Medium 3=Long

[1] 1 = Not Collared 2 = Collared

D. CREASE

[2] 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

[2] 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

13. SEED: (continued)

E. COLOR

[3] 1 = White 2 = Amber 3 = Red 4 = Other (*specify*) _____

F. TEXTURE

[1] 1=Hard 2=Soft

G. PHENOL REACTION (*see instructions*):

[0] 1 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black

14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

[4]	Stem Rust (*Puccinia graminis* f. sp. *tritici*) Field races	[3]	Leaf Rust (*Puccinia recondita* f. sp. *tritici*) Field races
[0]	Stripe Rust (*Puccinia striiformis*)	[0]	Loose Smut (*Ustilago tritici*)
[0]	Tan Spot (*Pyrenophora tritici-repentis*)	[0]	Flag Smut (*Urocystis agropyri*)
[0]	Halo Spot (*Selenophoma donacis*)	[0]	Common Bunt (*Tilletia tritici or T. laevis*)
[0]	*Septoria nodorum* (Glume Blotch)	[0]	Dwarf Bunt (*Tilletia controversa*)
[0]	*Septoria avenae* (Speckled Leaf Disease)	[0]	Karnal Bunt (*Tilletia indica*)
[0]	*Septoria tritici* (Speckled Leaf Blotch) Field races	[0]	Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*) Field races
[4]	Scab (*Fusarium* spp.)	[0]	Snow Molds
[0]	Black Point (Kernel Smudge)	[0]	Common Root Rot (*Fusarium, Cochliobolus* and *Bipolaris* spp.
[0]	Barley Yellow Dwarf Virus (BYDV)	[0]	Rhizoctonia Root Rot (*Rhizoctonia solani*)
[0]	Soilborne Mosaic Virus (SBMV) Field races	[0]	Black Chaff (*Xanthomonas campestris* pv. *translucens*)
[0]	Wheat Yellow (Spindle Streak) Mosaic Virus Field races	[0]	Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*)
[0]	Wheat Streak Mosaic Virus (WSMV) Field races	[ ]	Other (*specify*)
[ ]	Other (*specify*)	[ ]	Other (*specify*)
[ ]	Other (*specify*)	[ ]	Other (*specify*)
[ ]	Other (*specify*)	[ ]	Other (*specify*)

200400165

15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

0	Hessian Fly (*Mayetiola destructor*)		Other (*specify*)
0	Stem Sawfly (*Cephus* spp.)		Other (*specify*)
0	Cereal Leaf Beetle (*Oulema melanopa*)		Other (*specify*)
0	Russian Aphid (*Diuraphis noxia*)		Other (*specify*)
0	Greenbug (*Schizaphis graminum*)		Other (*specify*)
0	Aphids		

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

None

Exhibit D.
Additional Description of Freyr

Freyr is a hard red spring wheat developed by Agripro Wheat for the scab prone areas of the Northern Plains. It has medium-early maturity and very good test weight. It has intermediate height and moderately strong straw strength. This line has very good tolerance to scab. It has intermediate to tolerant protection to the prevalent races of leaf rust. It is tolerant to stem rust, however it has intermediate protection to the artificially induced epidemics. It has medium-high protein and satisfactory breadmaking characteristics.

Juvenile growth habit is erect. Plant color at boot stage is dark green. Auricle anthocyanin is present and auricle hairs are present. Flag leaf at boot stage is recurved. Waxy bloom is present on the head, stem and flag leaf sheath. Anther color is yellow. Head shape is tapering and awned. Glumes are glabrous, medium in length and medium in width, with oblique shoulders and acuminate beaks. Seed shape is ovate. Brush hairs are long in length. Seed crease depth is middeep and width is midwide. Germ is small. Seed cheeks are angular. Plant color at maturity is white.

Freyr is broadly adapted to the spring wheat growing areas of North and South Dakota, Minnesota and Montana.

AGRIPRO

SpringW Team Quality Summary

Year-Loc	Wht Prot	Flr Prot	Norris Hard	Flr Yld	Ash	Mixogram Peak Time	Mixogram Peak HT	Mixogram Tol.		Baking Quality Abs	NatMix Time	Loaf Vol	Crumb Grain	Crumb Tex	Crumb Color	Comments
	Flour/Wheat Quality															
	14%mb	14%mb		%		min	N.U.	mm	R	%	min	cc	R	R	R	
FREYR																
2001 - MW	14.3	13.2	76	69.3	0.373	4.00	5.0	1151		64.0	4.00	1000	4	3	4	
2002 - MW	14.9	14.0	70	68.6	0.431	5.00	5.3	1262		68.5	6.00	1060	4	3	4	
2003 - BK	14.6	13.5	69	72.1	0.398	2.75	5.3	947		67.0	2.50	1040	4	3	4	
Average:	**14.6**	**13.6**	**72**	**70.0**	**0.401**	**3.92**	**5.2**	**1120**		**66.5**	**4.17**	**1033**	**4**	**3**	**4**	
PARSHALL																
2001 - MW	14.9	13.9	70	69.3	0.372	3.75	5.0	1129		64.5	3.75	1065	5	2	3	
2002 - MW	15.6	14.6	67	70.1	0.522	4.75	5.3	1181		69.5	6.00	1055	5	3	2	
2003 - BK	14.8	13.7	70	73.0	0.403	3.50	5.3	1072		68.0	3.00	1085	5	2	2	
Average:	**15.1**	**14.1**	**69**	**70.8**	**0.432**	**4.00**	**5.2**	**1127**		**67.3**	**4.25**	**1068**	**5**	**2**	**2**	

HARD RED SPRING WHEAT SUMMARY - 2002
Uniform Regional Data

FREYR VS. VERDE

STATE	YIELD - BU/A			T.WT. - LBS/BU			HEADING - DAYS			HEIGHT - CM			LODGING - 1-9		
	LOCS	FREYR	VERDE	LOCS	FREYR	VERDE	LOCS	FREYR	VERDE	LOCS	FREYR	VERDE	LOCS	FREYR	VERDE
MINNESOTA	3	47.4	44.5	3	57.3	57.6	3	29.0	31.7	3	74.7	73.7	2	0.5	0.2
NORTH DAKOTA	5	39.1	35.9	5	58.1	57.8	5	40.0	42.0	5	69.2	61.0			
SOUTH DAKOTA	3	34.4	32.9	3	57.4	55.9	3	22.0	22.0	3	69.0	70.0	2	2	1.35
MONTANA	1	72.2	71.4	1	60.1	58.9	1	33.0	34.0	1	93.0	84.0			
MEAN	***12***	***42.8***	***40.3***	***12***	***57.9***	***57.4***	***12***	***32.2***	***33.8***	***13***	***72.5***	***68.3***	***4***	***1.3***	***0.8***

FREYR VS. KEENE

STATE	YIELD - BU/A			T.WT. - LBS/BU			HEADING - DAYS			HEIGHT - CM			LODGING - 1-9		
	LOCS	FREYR	KEENE	LOCS	FREYR	KEENE	LOCS	FREYR	KEENE	LOCS	FREYR	KEENE	LOCS	FREYR	KEENE
MINNESOTA	3	47.4	42.6	3	57.3	58.0	3	29.0	29.3	3	74.7	86.3	2	0.5	0.5
NORTH DAKOTA	5	39.1	36.4	5	58.1	58	5	40.0	41.6	5	69.2	72.0			
SOUTH DAKOTA	3	34.4	32.3	3	57.4	55.6	3	22.0	22.0	3	69.0	69.0	2	2	1.15
MONTANA	1	72.2	51.9	1	60.1	60.6	1	33.0	33.0	1	93.0	107.0			
MEAN	***12***	***42.8***	***38.2***	***12***	***57.9***	***57.6***	***12***	***32.2***	***32.9***	***13***	***72.5***	***77.7***	***4***	***1.3***	***0.8***

FREYR VS. 2375

STATE	YIELD - BU/A			T.WT. - LBS/BU			HEADING - DAYS			HEIGHT - CM			LODGING - 1-9		
	LOCS	FREYR	2375	LOCS	FREYR	2375	LOCS	FREYR	2375	LOCS	FREYR	2375	LOCS	FREYR	2375
MINNESOTA	3	47.4	39.5	3	57.3	57.8	3	29.0	31.0	3	74.7	71.0	2	0.5	2.2
NORTH DAKOTA	5	39.1	37.5	5	58.1	58.4	5	40.0	40.8	5	69.2	64.2			
SOUTH DAKOTA	3	34.4	31.3	3	57.4	56.6	3	22.0	21.0	3	69.0	66.0	2	2	2.5
MONTANA	1	72.2	60.6	1	60.1	59.5	1	33.0	32.0	1	93.0	99.0			
MEAN	***12***	***42.8***	***38.4***	***12***	***57.9***	***57.9***	***12***	***32.2***	***32.7***	***13***	***72.5***	***69.3***	***4***	***1.3***	***2.4***

2001-3 OVER YEAR SUMMARY RANKED BY YIELD - AGRIPRO DATA

VARIETY	YIELD - BU/A[2] 01	02	03	AVG	TEST WT. LBS/BU	PROT. %	HEAD.[3] 1-9	HT. 1-9	LOD. 1-9	SEED SCORE 1-9	NO. OF FOLIAR TOMB. AVG.	DIS. 1-9	LR 1-9	WORTH 1-9
N98-0286	61.3	47.9	81.4	65.8	59.0	14.4	5.6	4.5	2.4	5.9	14.9	4.5	2.4	4.0
FREYR	62.3	46.8	79.5	65.0	60.1	15.1	4.3	6.5	4.4	3.3	3.3	3.6	3.3	5.1
KNUDSON	61.1	46.8	79.1	64.5	60.4	14.5	5.2	5.5	3.4	4.5	10.0	2.8	1.9	3.6
NORPRO	57.8	47.3	78.1	63.1	59.4	15.1	5.5	4.5	3.3	5.3	18.4	3.4	3.0	3.3
IVAN	55.5	42.2	80.6	62.0	59.6	13.8	6.9	4.7	1.9	4.9	10.7	3.7	1.9	3.9
LARS	56.4	39.2	78.4	60.6	57.4	14.2	5.9	3.9	1.5	6.4	21.6	3.6	4.4	3.3
BRIGGS[1]	57.8	45.0	72.0	60.1	60.6	15.5	2.3	5.7	8.3	4.3	6.0	3.9	2.4	4.4
OXEN	60.8	41.3	70.8	59.6	58.2	15.2	3.7	5.8	5.8	5.5	11.1	6.5	6.0	5.2
REEDER	55.7	42.6	73.0	59.1	59.8	15.5	4.1	6.7	5.0	4.5	8.5	3.9	5.9	4.6
RUSS	52.7	43.0	74.9	59.0	58.9	14.9	3.6	7.1	6.4	5.0	8.7	6.3	6.8	5.1
WALWORTH	57.9	41.8	71.2	58.9	58.9	15.4	3.0	7.0	6.6	4.2	5.5	6.2	6.5	6.0
ALSEN	58.0	39.0	69.4	57.5	61.0	15.9	4.0	5.9	3.8	3.8	2.7	4.5	3.9	4.2
GRANITE[1]	53.4	37.7	73.5	57.3	61.2	16.8	7.1	5.6	1.3	4.9	9.9	4.7	5.1	4.7
N99-2234[1]	54.3	41.8	68.7	56.7	60.2	16.2	6.2	7.8	7.0	4.0	4.0	5.0	3.3	5.1
PARSHALL	52.9	41.7	69.9	56.7	61.5	15.6	4.2	8.4	5.1	3.7	7.7	4.9	6.6	5.2
HANNA	52.7	40.5	69.9	56.3	60.0	15.7	5.3	8.1	5.6	4.4	4.5	5.4	5.1	5.2
GUNNER	51.1	34.4	64.0	51.8	60.3	15.8	7.2	7.8	4.5	4.3	2.5	5.4	7.5	5.3
NORA	50.8	32.5	64.2	51.3	58.0	16.3	4.8	3.8	3.9	4.7	13.0	6.6	4.3	5.2
MEAN	**56.3**	**41.8**	**73.3**	**59.2**	**59.7**	**15.3**	**4.9**	**6.1**	**4.4**	**4.7**	**9.3**	**4.7**	**4.6**	**4.6**
NO. OF LOCATION	**5**	**4**	**6**	**15**	**15**	**10**	**14**	**5**	**2**	**6**	**8**	**11**	**8**	**15**

[1]Not tested in 2001, data adjusted for averages

[2]Locations: Argusville, ND; Casselton, ND; Park River, ND; Maddock, ND; Crookson, MN; Breckenridge, MN

[3]Heading: 1= early; Height: 1 = short; Lodging: 1 = no lodging; Foliar disease: 1 = no disease

DISEASE DATA

2002 Uniform Regional Nursery

	LEAF RUST						STEM RUST			
VARIETY	FARGO ND	CARR. ND	LANG. ND	CROOK. MN	ST.PAUL MN	ST. PAUL* MN	FARGO* ND	CARR. ND	LANG. ND	ST.PAUL* MN
FREYR	tMS	10R	5R	5MS	tMS	50S	10MS	0	0	40MS-S
VERDE	10R	20MR-tMS	5R	tMR	tMR	40M	t-5MS	0	0	30MS-S
KEENE	10R	10R	5R	20MS-S	0	tR,50MS	tR	0	0	30MR-R
2375	20S	60S	50S	-	10MS-S	40M	0-tMR	0	0	20R-MR

*inoculated nursery

2002 Uniform Regional Scab Nursery

VARIETY	INCIDENCE %	SEVERITY %	DIS. %	VSK %	DON PPM
FREYR	85.6	34.5	25.3	18.3	15.7
2375	87.0	47.0	36.3	30.6	15.6
WHEATON	94.4	63.4	55.7	52.7	20.5
BACUP	73.9	28.0	18.6	18.8	9.7
OSLO	93.6	66.1	57.9	48.9	22.2
ND2710	57.3	17.2	8.6	16.1	8.8
NO. OF LOCS.	6.0	6.0	5.0	5.0	4.0

Exhibit E.
Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by Joe Smith, an employee of Agripro Wheat. By agreement between employees and Agripro Wheat all rights to any invention, discovery, or development made by the employee while employed by Agripro Wheat, were assigned to Agripro Wheat, with no rights of any kind pertaining to 'Freyr' being retained by the employees.

By contractual agreement the variety 'Freyr' was purchased from Agripro Wheat, a business unit of Advanta USA, Inc. in June of 1996 and is currently owned by Monsanto Company.